

## BIVARIATE DATA

This is data with two variables which are linked in some way.

Eg Can we predict test scores from the number of hours studied?

The variables are. test scores and hours studied.

In these situations we look at how changing one variable (hours studied) effects the change in the other (test score).

The variable we change (hours studied) is called the EXPLANATORY VARIABLE (EV).  
The other variable (test score) is called the RESPONSE VARIABLE (RV).

Note: The explanatory variable is sometimes called the independent variable.  
The response variable is sometimes called the dependent variable.

Eg Can we predict peoples height from their wrist measurement?  
Identify the response (RV) and explanatory (EV).

Wrist measurement being used to predict height.  
∴ EV - wrist measurement  
RV - Height

Questions: Exc 3A Q<sup>ns</sup> on workplan.